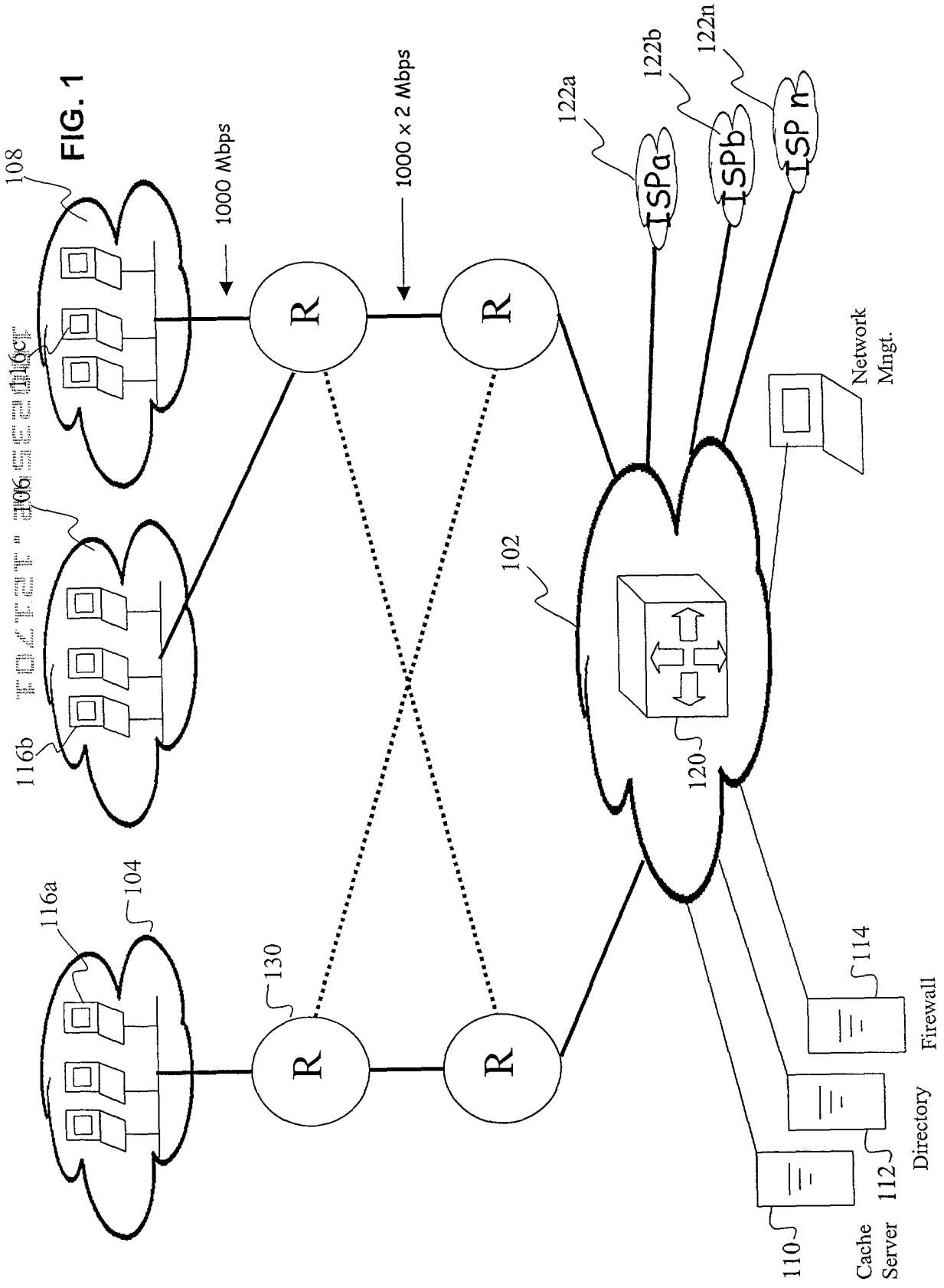
FIG. 1


108
1000 Mbps
1000 x 2 Mbps
122a
122b
122n
ISPa
ISPb
ISP n
R
R
R
R
Network Mngt.
102
120
116b
116a
104
130
114
Firewall
Directory
112
110
Cache Server

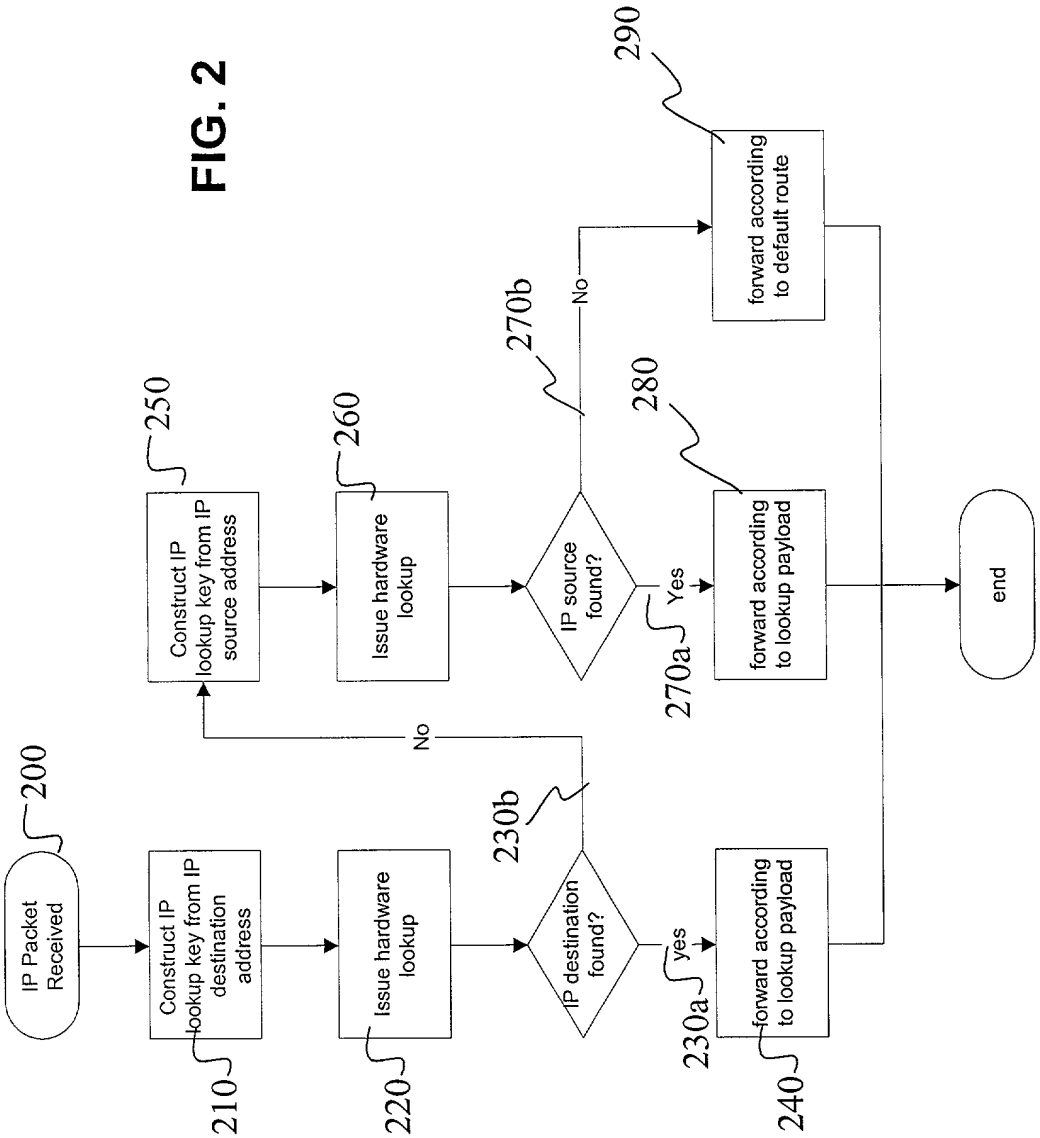

IP Packet Received
200
Construct IP lookup key from IP destination address
210
Issue hardware lookup
220
IP destination found?
230b
yes
230a
forward according to lookup payload
240
No
Construct IP lookup key from IP source address
250
Issue hardware lookup
260
IP source found?
270b
Yes
270a
forward according to lookup payload
280
No
forward according to default route
290
end

FIG. 2